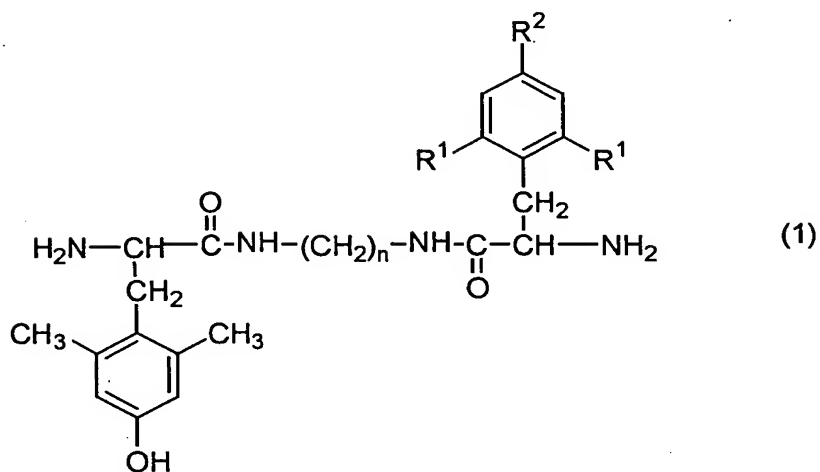


WHAT IS CLAIMED IS:

1. A peptide derivative represented by the following formula (1) or a salt thereof;



5 wherein R^1 is hydrogen atom or methyl group, R^2 is hydrogen atom or hydroxy group and n is an integer of 1 to 8, provided that R^1 is hydrogen atom when R^2 is hydrogen atom.

10 2. The peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 wherein R^2 is hydroxyl group.

3. The peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 wherein R^1 is methyl group.

15 4. The peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 wherein n is an integer of 4 to 6.

5. A pharmaceutical composition containing a peptide

derivative represented by the formula (1) or a salt thereof claimed in claim 1 as an active ingredient.

6. A method for inhibiting or moderating pain comprising administering a peptide derivative represented by the formula (1) or a salt thereof claimed in claim 1 in an effective dosage to a patient having pain.

7. A method for inhibiting or moderating the pain comprising administering a peptide derivative represented by the formula (1) or one salt thereof claimed in claim 1 in an effective dosage to a patient having pain or suffering from nervous defect disease related to μ -opioid receptor activation.